DOCUMENT RESUME

ED 025 141 EF 002 673

By- Wakefield, Howard E.

Standards for Educational Facilities. An Annotated Reference List.

Wisconsin Univ., Madison. ERIC Clearinghouse on Educational Facilities.
Spons Agency- Office of Education (DHEW), Washington, D.C.
Pub Date Nov 68
Note- 28p.
EDRS Price MF-$0.25 HC-$1.50
Descriptors- *Annotated Bibliographies, Carpeting, Design Needs, *Educational Facilities, Environmental Criteria, *Equipment Standards, Food Service, Health Needs, Instructional Television, Lighting, Performance Criteria, Safety, School Construction, School Design, Site Development, Specifications, *Standards, *State Standards

This annotated reference list was drawn from documents in the collection of the Clearinghouse on Educational Facilities, using the indexing terms "standards", and "state standards". The ERIC abstract is reprinted for each document selected. The range of the document covers a variety of areas including--(1) health and safety, (2) lighting, (3) construction and mechanical systems, and (4) carpeting. These cover provisions for lunchrooms, educational television, laboratories, mobile classrooms, and physical education. While this is not intended to be a comprehensive list of documents in this area, it does cover documents which are not widely circulated and which are made available either directly or indirectly through the ERIC system. (MM)

Copy for RIE

CLEARINGHOUSE ON
EDUCATIONAL
FACILITIES

ERIC CEF

EDUCATIONAL RESOURCES INFORMATION CENTER • 606 STATE STREET, ROOM 314 • MADISON, WIS. 53703

STANDARDS FOR EDUCATIONAL FACILITIES

An Annotated Reference List

EF002673

ED025141

This publication was prepared pursuant to a contract with the Office of Education, U. S. Department of Health, Education and Welfare. Points of view or opinions expressed herein do not necessarily represent official Office of Education position or policy.

STANDARDS FOR EDUCATIONAL FACILITIES

An Annotated Reference List

Prepared By

Howard E. Wakefield

Director

ERIC Clearinghouse on Educational Facilities

The University of Wisconsin

Madison

November, 1968

FOREWORD

ERIC/CEF is a clearinghouse of information about sites, buildings, and equipment used for educational purposes; included are the efficiency and effectiveness of activities such as planning, financing, constructing, renovating, maintaining, operating, insuring, utilizing, and evaluating educational facilities.

ERIC/CEF is part of a network of national clearinghouses covering many fields of educational research. The information from all these clearinghouses is reported monthly in RESEARCH IN EDUCATION (RIE), a publication of the U.S. Government Printing Office (annual subscription: Domestic, $21.00, Foreign $26.25).

Many of the documents reported in RIE are available from the ERIC Document Reproduction Service. This service is currently provided by the National Cash Register Company, 4936 Fairmont Avenue, Bethesda, Maryland 20014. Individual documents may be obtained on microfiche at 25¢ for each 60 pages or fewer. Facsimile documents are available at 4¢ per page. Standing orders of all documents related to certain topics are available at 8.4 cents per fiche.

These references are drawn from the documents received and processed to date by ERIC/CEF. They are not represented as a comprehensive list of information on the subject. However, many of the documents are not widely circulated and are therefore useful in expanding existing information. All documents listed herein with an ED number (see symbol page) are available from EDRS. The remaining documents should be sought through the indicated publisher or distributor (the institution source or the information provided at the end of the abstract).

ERIC/CEF invites you to submit documents which are related to the activities decribed in the first paragraph above.

Clearinghouse Accession No.

ERIC Document No. (Available from EDRS)

Clearinghouse Information Code

Title

Author(s)

Institution Source

Date Published

Report No. or Journal Citation

Pagination

EF 001 080 ED 016 359 CERS 2

THE INSTRUCTIONAL MATERIALS CENTER
BY- KLOSTER, ALEXANDER J.
MICHIGAN DEPARTMENT OF EDUCATION, LANSING
PUBLISHED- 65
IN- BULLETIN NO. 369
071 PAGES

DESCRIPTORS- *AUDIOVISUAL AIDS, *INSTRUCTIONAL MATERIALS, *INSTRUCTIONAL MATERIALS CENTERS, *LIBRARIES, CARRELS, INDIVIDUAL STUDY, STUDY FACILITIES

Index Terms (Major terms are preceded by an asterisk)

Abstract

THIS BULLETIN PRESENTS RECOMMENDATIONS WITH REGARD TO PROGRAM, PERSONNEL, AND FACILITIES FOR AN INSTRUCTIONAL MATERIALS ORGANIZATION AND LAYOUTS FOR AN INSTRUCTIONAL MATERIALS CENTER. CASE STUDIES AND EXAMPLES ARE PROVIDED FOR MAKING THE MAXIMUM POSSIBLE USAGE OF THE CENTER WITHIN BOTH THE SCHOOL AND THE COMMUNITY. (BD)

ANNOTATED REFERENCES

ERIC/CEF DOCUMENT NO. EF000002 ED 014 194 DISPOSITION-CERS 1

ARTIFICIAL LIGHTING FOR MODERN SCHOOLS (A GUIDE FOR ADMINISTRATIVE USE)

BY- REIDA, GEORGE W.
KANSAS STATE DEPARTMENT OF PUBLIC INSTRUCTION, TOPEKA

PUBLISHED- 60

052 PAGES

DESCRIPTORS- *CLASSROOM ENVIRONMENT, *EQUIPMENT STANDARDS, *ILLUMINATION LEVELS, *LIGHTING, * TASK PERFORMANCE, ADMINISTRATOR GUIDES, BUILDING IMPROVEMENT, ECONOMICS, PHYSICAL ENVIRONMENT, ENVIRONMENTAL INFLUENCES, HEALTH NEEDS, ILLUMINATION, MAINTENANCE, VISION, WORK ENVIRONMENT

DESIGNED TO SERVE AS A GUIDE IN THE DEVELOPMENT OF GOOD VISUAL ENVIRONMENT AND ECONOMICALLY FEASIBLE LIGHTING INSTALLATIONS IN SCHOOLS. EIGHTY PERCENT OF ALL SCHOOL LEARNING IS GAINED THROUGH THE EYES AS ESTIMATED BY THE U.S. OFFICE OF EDUCATION. GOOD SCHOOL LIGHTING IS COMFORTABLE, GLAREFREE AND ADEQUATE FOR THE VISUAL TASK. EYE STRAIN AND UNNECESSARY FATIGUE AS A RESULT OF POOR VISUAL CONDITIONS AFFECT LEARNING. SATISFACTORY LIGHTING IS MORE THAN PROVIDING RECOMMENDED LEVELS WHERE THEY ARE NEEDED. CONSIDERATION MUST ALSO BE GIVEN TO THE QUALITY OF LIGHT PROVIDING ADEQUATE AND COMFORTABLE SEEING CONDITIONS FOR EVERY TYPE OF SCHOOL ACTIVITY. FOUR FACTORS THAT AFFECT VISION ARE--(1) SIZE, (2) CONTRAST, (3) TIME, AND (4) BRIGHTNESS. OTHER TOPICS DISCUSSED ARE--(1) THE VISUAL ENVIRONMENT, (2) TRENDS IN NATURAL LIGHTING, (3) LIGHT AND INTERIOR FINISHES OF CEILINGS, WALLS, FLOORS, CHALDBOARDS, TRIM AND FURNITURE, (4) BRIGHTNESS DIFFERENCES, (5) PRINCIPLES OF SCHOOL LIGHTING, (6) BRIGHTNESS, (7) LEVELS OF ILLUMINATION, (8) SELECTING LIGHTING FIXTURES, AND (9) LIGHTING COSTS, SWITCHES, CUTLETS, MAINTENAN

ERIC/CEF DOCUMENT NO. EF000073 ED 014 202 DISPOSITION-EDC- 1

PROVIDING A HEALTHFUL SCHOOL ENVIRONMENT

BY- JOHANNIS, NORMA AND DOSTER, MILDRED AND COCHRANE, ROBERT
COLORADO STATE DEPARTMENT OF EDUCATION, DENVER

PUBLISHED- 62

017 PAGES

DESCRIPTORS- *CLASSROOM ACTIVITIES, *HEALTH CONDITIONS, *PHYSICAL ENVIRONMENT, *PHYSICAL FACILITIES, *STANDARDS, EVALUATION, FINE ARTS, FIRE PROTECTION, HEATING, HOME ECONOMICS, ILLUMINATION, INDUSTRIAL ARTS, SAFETY, SANITATION, SCHOOL BUILDINGS, SCHOOL LOCATION, SCIENCE, SOCIAL STUDIES, VENTILATION

THIS REPORT DISCUSSES STANDARDS AND PROCEDURES AS APPLIED TO MENTAL AND PHYSICAL HEALTH AND SAFETY AS AFFECTED BY THE PHYSICAL SURROUNDINGS. A BIBLIOGRAPHY DESCRIBING STANDARDS AND SUGGESTED PROCEDURES, AND A CHECKLIST, ARE PROVIDED FOR VOLUNTARY SELF APPRAISAL. THE CHECKLIST COVERS (1) THE SCHOOL GROUNDS, (2) THE SCHOOL BUILDING, (3) ILLUMINATION, (4) HEATING AND VENTILATION, (5) WATER SUPPLY, (6) TOILET FACILITIES AND WASTE DISPOSAL, (7) FIRE AND SAFETY, (8) CLASSROOMS, AND (9) KITCHEN AND LUNCHROOM THE CHECKLIST INCLUDES BOTH PHYSICAL SPECIFICATIONS AND PERFORMANCE CRITERIA. SUGGESTIONS ARE ALSO GIVEN FOR STUDENT AND TEACHER PARTICIPATION AND CLASSROOM ACTIVITIES RELATED TO ENVIRONMENTAL HEALTH. (MM)

ERIC/CEF DOCUMENT NO. EF000081 DISPOSITION-EDC- 1

PERFORMANCE CRITERIA, A SYSTEM OF COMMUNICATION FOR MOBILIZING BUILDING INDUSTRY RESOURCES

BY- JACQUES, RICHARD G.

PUBLISHED- 66

6 PAGES

DESCRIPTORS- *CAMPUS PLANNING, *COLLEGE BUILDINGS, *EDUCATIONAL SPECIFICATIONS, *PERFORMANCE CRITERIA, *STANDARDS, ACOUSTICAL ENVIRONMENT, CAMPUSES, CLASSROOM RESEARCH, EDUCATIONAL ENVIRONMENT, ENVIRONMENTAL CRITERIA, MASTER PLANS, PLANNING, SCHOOL CONSTRUCTION, SCHOOL DESIGN, SCHOOL PLANNING

A PROGRAM TO TEST AND DEMONSTRATE THE EFFICACY OF PERFORMANCE CRITERIA FOR UNIVERSITY BUILDING DESIGN AND CONSTRUCTION IS UNDER WAY IN NEW YORK STATE UNDER THE AUSPICES OF THE NEW YORK STATE UNIVERSITY CONSTRUCTION FUND. THE PROGRAM IS TO RESULT IN AN EXTENSIVE LIBRARY OF PERFORMANCE CRITERIA TO AID COMMUNICATION WITH ALL SECTORS OF THE BUILDING INDUSTRY. EMPHASIS IS PLACED ON PERFORMANCE AS OPPOSED TO FORMULARY CRITERIA AS THE LATTER HAVE TOO OFTEN BEEN DETERMINED BY SEGMENTS OF THE INDUSTRY DEALING WITH PARTICULAR PRODUCTS OR SERVICES. FORCES WHICH AFFECT BUILDING AND CAMPUS DESIGN HAVE BEEN CLASSIFIED INTO TWELVE COMPONENT DISCIPLINES CALLED 'BUILDING SYSTEMS.' THESE SYSTEMS ARE (1) SPATIAL ORGANIZATION, (2) STRUCTURE, (3) EXTERIOR WALLS, (4) INTERIOR WALLS, (5) FINISHES, (6) VERTICAL CIRCULATION, (7) SPECIALTIES, (8) EQUIPMENT, (9) PLUMBING, (10) HEATING-VENTILATING-AIR-CONDITIONING, (11) ELECTRICAL SYSTEMS, AND (12) SITE. RESEARCH HAS BEGUN IN THOSE AREAS SUCH AS LIGHTING, COLOR, AND ACOUSTICS WHERE WELL-DOCUMENTED CRITERIA ARE LACKING. IN ORDER TO ESTABLISH SUCH CRITERIA, A TABLE DESCRIBING TWENTY-FOUR SUCH RESEARCH PROJECTS IS INCLUDED. THIS ARTICLE IS A REPRINT FROM 'ARCHITECTURAL RECORD', MAY 1966. COPIES ARE AVAILABLE FROM MC GRAW-HILL, INC. 330 W. 42ND STREET, NEW YORK, N.Y. 10036. (JT)

ERIC/CEF DOCUMENT NO. EF000252 DISPOSITION-UFRC 1

SPACE FOR AUDIO-VISUAL LARGE GROUP INSTRUCTION

WISCONSIN UNIVERSITY, MADISON, UNIVERSITY FACILITIES RESEARCH CENTER

PUBLISHED- 63

040 PAGES

DESCRIPTORS- *AUDIOVISUAL INSTRUCTION, *EDUCATIONAL FACILITIES, *EQUIPMENT STANDARDS, *EVALUATION METHODS, *SPACE REQUIREMENTS, DESIGN NEEDS, EDUCATIONAL EQUIPMENT, INSTRUCTIONAL TELEVISION, PROJECTION EQUIPMENT, TELEVISION VIEWING

WITH AN INCREASING INTEREST IN AND UTILIZATION OF AUDIO-VISUAL MEDIA IN EDUCATION FACILITIES, IT IS IMPORTANT THAT STANDARDS ARE ESTABLISHED FOR ESTIMATING THE SPACE REQUIRED FOR VIEWING THESE VARIOUS MEDIA. THIS MONOGRAPH SUGGESTS SUCH STANDARDS FOR VIEWING AREAS, VIEWING ANGLES, SEATING PATTERNS, SCREEN CHARACTERISTICS AND EQUIPMENT PERFORMANCES FOR THE VARIED AUDIO-VISUAL METHODS. A SERIES OF GRAPHS WERE DEVELOPED BY THIS STUDY WHICH WILL QUICKLY DETERMINE OCCUPANCIES OF VARIOUS SPACES. INTENSITIES OF LIGHT AND SCREEN SIZES FOR VARIOUS SPACES AND MAXIMUM VIEWING ANGLES. TABULATIONS ARE INCLUDED FOR THE STANDARDS DETERMINED, ALONG WITH DISCUSSIONS OF ROOM DESIGN CHARACTERISTICS, COMPARATIVE PERFORMANCES OF FILM PROJECTION AND TELEVISION, SELECTION OF EQUIPMENT, AND SPACE REQUIREMENTS FOR AUDIO-VISUAL PURPOSES. (BH)

ERIC/CEF DOCUMENT NO. EF000413 ED 014 851 DISPOSITION-EDC- 1

SCHOOL LUNCH DESIGN CRITERIA 1965

FLORIDA STATE DEPARTMENT OF EDUCATION, TALLAHASSEE

PUBLISHED- 65

060 PAGES

DESCRIPTORS- *DINING FACILITIES, *EQUIPMENT, *FOOD HANDLING FACILITIES, *LUNCH PROGRAMS, EQUIPMENT STANDARDS, HEALTH FACILITIES, PHYSICAL FACILITIES, SCHOOL DESIGN, SCHOOL PLANNING

IN ORDER TO SERVE AS A GUIDE FOR ARCHITECTS, COUNTY SUPERINTENDENTS, AND SCHOOL LUNCH SUPERVISORS, THIS REPORT SPECIFIES CRITERIA FOR SCHOOL LUNCH PROGRAMS. AREAS DISCUSSED INCLUDE--(1) SELECTION, PROCUREMENT, AND INSTALLATION OF EQUIPMENT WITH RESPECT TO THE NUMBER OF MEALS TO BE SERVED, (2) REQUIREMENTS FOR FUTURE EXPANSION, (3) SANITATION AND SAFETY, AND (4) FACILITIES AND REQUIREMENTS FOR DINING ROOMS, KITCHENS, SERVING AREAS, DISH WASHING AREAS, AND STOREROOMS. (JT)

ERIC/CEF DOCUMENT NO. EF000451 DISPOSITION-EDC- 1

BETTER LIGHTING THROUGH RESEARCH

BY- CROUCH, C. L.

PUBLISHED-MAY66
IN- AMERICAN SCHOOL AND UNIVERSITY, MAY 66, PP. 47-48, 50

4 PAGES

DESCRIPTORS- *EQUIPMENT STANDARDS, *FLEXIBLE LIGHTING DESIGN, *ILLUMINATION LEVELS, *LIGHTING, *TASK PERFORMANCE, AUDIOVISUAL AIDS, EDUCATIONAL INNOVATION, SCHOOL BUILDINGS

RESEARCH REVOLUTIONIZES SCHOOL LIGHTING AND BUILDINGS. NEW EDUCATIONAL CONCEPTS DEMAND FLEXIBLE LIGHTING DESIGN. VISUAL AND AUDITORY AIDS MUST BE CONSIDERED. LIGHT REQUIRED ON THE TASK DEPENDS ON THE DETAIL TO BE SEEN INVOLVING ITS CONFIGURATION, SIZE, AND CONTRAST WITH ITS BACKGROUND. THE BRIGHTNESS OF SURROUNDINGS MUST BE DESIGNED TO BALANCE THAT OF THE TASK. COLOR USAGE ALSO AFFECTS THE LUMINOUS ENVIRONMENT. MEASUREMENT OF REQUIRED ILLUMINATION CAN BE MADE WITH THE VISUAL TASK EVALUATOR. OPTIMUM VISIBILITY OCCURS WHEN THE BRIGHTNESS OF THE SURROUNDINGS IS EQUAL TO OR A LITTLE LESS THAN THE BRIGHTNESS OF THE TASK. SURROUNDINGS SHOULD NOT BE LESS THAN ONE-FIFTH THE BRIGHTNESS OF THE TASK, AND PREFERABLY ONE-THIRD. DISCOMFORT GLARE CRITERION IS APPLIED IN THE SELECTION OF LIGHTING UNITS. LUMINOUS CEILINGS REDUCE VEILING REFLECTIONS TO A MINIMUM. INCLUDED IS A TABLE OF ILLUMINATION LEVELS AND SURFACE REFLECTANCES FOR SCHOOLS THAT ARE CURRENTLY RECOMMENDED, AND A SKETCH SHOWING THE POTENTIAL SOURCES OF SPECULARLY REFLECTED GLARE AS WELL AS A SIMPLE TEST FOR DISCOMFORT GLARE. THIS ARTICLE APPEARED IN THE MAY, 1966 ISSUE OF AMERICAN SCHOOL AND UNIVERSITY. COPIES MAY BE OBTAINED BY WRITING TO THE EDITOR, AMERICAN SCHOOL AND UNIVERSITY, BUTTENHEIM PUBLISHING CORP., 757 THIRD AVENEUE, NEW YORK, N.Y. (RK)

ERIC/CEF DOCUMENT NO. EF000461 DISPOSITION-EDC- 1

QUESTION--WHAT MAKES A SCHOOL SITE SAFE ANSWER--DEFINITE PLANNING

BY- GEORGE, N. L. AND GILLILAND, SR., LONNIE
ASSOCIATION OF SCHOOL BUSINESS OFFICIALS OF THE UNITED STATES AND CANADA, CHICAGO, ILLINOIS

PUBLISHED-APR66
IN- SCHOOL BUSINESS AFFAIRS, VOL. 32, NO. 4

6 PAGES

DESCRIPTORS- *PARKING AREAS, *SCHOOL LOCATION, *STUDENT TRANSPORTATION, *TRAFFIC REGULATION, *TRAFFIC SAFETY, PARENT SCHOOL RELATIONSHIP, PLAYGROUNDS, SCHOOL PLANNING, STANDARDS, STUDENT LOADING AREAS

TWO STAFF MEMBERS FROM A SYSTEM OF PUBLIC SCHOOLS, THE ASSISTANT SUPERINTENDENT, AND THE DIRECTOR OF SAFETY EDUCATION DISCUSSED THE PROBLEMS OF TRAFFIC SAFETY ON AND AROUND THE SCHOOL SITE. FACTORS WHICH WERE CONSIDERED INCLUDE--(1) SCHOOL SITE AND BUILDING LOCATION, (2) SAFETY REQUIREMENTS, PRACTICES AND PRINCIPLES, (3) SIDEWALK DESIGN AND LOCATION, (4) PARKING AND DRIVEWAYS, (5) FENCING, AND (6) PARENT EDUCATION. SPECIFIC RECOMMENDATIONS INCLUDED (1) LOCATING THE BUILDING ON A CORNER OF THE SITE, (2) LIMITING ACCESS TO TWO SIDES OF THE SITE, (3) REGULATING STREET PARKING AND CROSSWALKS, (4) SEPARATING PEDESTRIAN AND VEHICULAR TRAFFIC, (5) FORMULAS FOR DETERMINING FACULTY AND STUDENT PARKING NEEDS, AND (6) PROVIDING PARENTS WITH THE TRAFFIC PLAN. THIS DOCUMENT IS AVAILABLE FROM THE ASSOCIATION OF SCHOOL BUSINESS OFFICIALS OF THE UNITED STATES AND CANADA, CHICAGO, ILLINOIS. (DM)

ERIC/CEF DOCUMENT NO. EF000617 ED 015 625 DISPOSITION-EDC- 1

ELEMENTARY SCHOOL BUILDINGS. (KINDERGARTEN - GRADE 8)

BY- GORDON, WALTON M.
HAWAII STATE DEPARTMENT OF PUBLIC INSTRUCTION, HONOLULU

PUBLISHED- 59
IN- EDUCATIONAL SPECIFICATIONS FOR THE PUBLIC SCHOOL BUILDINGS IN HAWAII, VOL. 1

132 PAGES

DESCRIPTORS- *BUILDING DESIGN, *CURRICULUM, *ELEMENTARY SCHOOLS, *STANDARDS, EQUIPMENT, FURNITURE, OUTDOOR EDUCATION, SCHOOL LOCATION, SCHOOL SIZE, SCHOOL SPACE

A FACT-FINDING PROCESS TO ANALYZE, DESCRIBE, AND INTERPRET THE SCHOOL PROGRAM, RESULTED IN A SET OF SPECIFICATIONS TO BE USED AS THE BASIS FOR MAKING ARCHITECTURAL DECISIONS. MAJOR TOPICS ARE-- (1)EDUCATIONAL SPECIFICATION, (2) FURNITURE AND EQUIPMENT, EDUCATIONAL EQUIPMENT AND SUPPLIES, AND (3) BUILDING STANDARDS. THE SCHOOL IS DISCUSSED IN TERMS OF (1) BUILDING SIZE, (2) BUILDING COMPONENTS, AND (3) SITE RELATIONSHIPS. ALSO INCLUDED ARE PROGRAM REQUIREMENTS, EDUCATIONAL OUTCOMES, AND DISCERNABLE TRENDS. SPECIFIC DESIGN REQUIREMENTS ARE GIVEN FOR (1) AREAS OF INSTRUCTION, (2) ADMINISTRATION, AND (3) OTHER BUILDING FACILITIES. DESCRIPTIONS AND QUANTITY SPECIFICATIONS ARE MENTIONED FOR SCHOOL FURNITURE AND EDUCATIONAL EQUIPMENT IN CLASSROOMS AND OTHER BUILDING FACILITIES, AND OUTDOOR PLAY AREAS. EDUCATIONAL SUPPLY AND EQUIPMENT REQUIREMENTS ARE LISTED BY GRADE LEVEL FOR CLASSROOMS AND SPECIFIC EDUCATIONAL ACTIVITIES. SPECIFIED ITEMS OF FURNITURE AND EQUIPMENT ARE DESCRIBED. BUILDING STANDARDS ARE SHOWN FOR SCHOOL SITES, SCHOOL BUILDINGS, AND OUTDOOR PLAY AREAS. (MM)

ERIC/CEF DOCUMENT NO. EF000717 DISPOSITION-EDC- 2

COMMENTS ON SCHOOL LIGHTING

BY- SEAGERS, PAUL W.
ASSOCIATION OF SCHOOL BUSINESS OFFICIALS, EVANSTON, ILLINOIS

PUBLISHED-OCT61
IN- PROCEEDINGS, ASSOCIATION OF SCHOOL BUSINESS OFFICIALS OF THE UNITED STATES AND CANADA, 47TH ANNUAL MEETING AND EXHIBIT, TORONTO, ONTARIO, CANADA, OCTOBER 7-12, 1961

003 PAGES

DESCRIPTORS- *CONTROLLED ENVIRONMENT, *LIGHTING, *SCHOOL ENVIRONMENT, *STANDARDS, *VISUAL ENVIRONMENT, ILLUMINATION

THIS DOCUMENT DEALS WITH THE NEW PROPOSED LIGHTING STANDARDS WHICH IMPOSE GREATER RESPONSIBILITIES ON THE PART OF SCHOOL BUSINESS OFFICIALS, THE SCHOOL BUILDING MEN, AND ARCHITECTS. GREATER ATTENTION MUST BE GIVEN TO THE INTEGRATION OF THE LIGHTING FACETS INTO THE TOTAL ENVIRONMENT. TEACHERS MUST HAVE A GREATER AWARENESS OF THE VISUAL ENVIRONMENT AND BECOME ADEPT IN THE PROPER CONTROL AND USE OF THE ENVIRONMENT. LIKEWISE, THE PUBLIC SHOULD BECOME ACUTELY AWARE OF THE SCIENTIFIC BASIS FOR THESE NEW RECOMMENDATIONS. SCHOOL OFFICIALS MUST BECOME INTELLIGENT PURCHASERS AND CONSUMERS OF ILLUMINATION. (RK)

ERIC/CEF DOCUMENT NO. EF000730 DISPOSITION-EDC- 2

THE BUSINESS MANAGER LOOKS AT THE ARCHITECT IN SCHOOL FOOD SERVICE DESIGN

BY- POWELL, ALANSON T.
ASSOCIATION OF SCHOOL BUSINESS OFFICIALS, EVANSTON, ILLINOIS

PUBLISHED-OCT60
IN- PROCEEDINGS, ASSOCIATION OF SCHOOL BUSINESS OFFICIALS OF THE UNITED STATES AND CANADA, 46TH ANNUAL MEETING AND EXHIBIT, ST. LOUIS, MISSOURI, OCTOBER 8-13, 1960

007 PAGES

DESCRIPTORS- *ADMINISTRATIVE PERSONNEL, *ARCHITECTS, *FOOD HANDLING FACILITIES, *LUNCH PROGRAMS, *STANDARDS

DISCUSSES THE PROBLEMS THAT FACE THE SCHOOL ADMINISTRATOR IN HIS RELATIONS WITH AN ARCHITECT IN DESIGNING A SCHOOL LUNCH PROGRAM. TEN POINTS HAVE BEEN SET UP AS A STANDARD ENABLING A CISTRICT TO OBTAIN THE BEST-DESIGNED AND BEST-EXECUTED CONTRACT AS WELL AS THE MOST EFFICIENTLY OPERATED LUNCH FEEDING PROGRAM. THE TEN POINTS ARE--(1) THE PHILOSOPHY AND PRESENT DESIGN SET-UP OF THE SCHOOL LUNCH PROGRAM MUST BE PROVIDED FOR THE SCHOOL ARCHITECT, (2) ARCHITECTURAL FIRMS SHOULD BE REQUIRED TO DEVELOP A RATHER COMPLETE SET OF PRELIMINARY SKETCHES, (3) THERE SHOULD BE A CHECK ON THE DETAILED SPECIFICATIONS AS TO TYPES OF EQUIPMENT. THE FINAL LAY-OUT AS TO TRAFFIC PATTERNS, AND OTHER ITEMS IN THE PRELIMINARY PLANS, (4) SPECIFICATIONS SHOULD BE DRAWN AROUND QUALITY EQUIPMENT RATHER THAN SPECIFIED AS TO SPECIFIC TYPES OF ITEM, (5) THE ARCHITECT SHOULD BE ABLE TO ASSIST IN PREPARING A LIST OF QUALIFIED BIDDERS, (6) HE SHOULD RECEIVE THE BIDS AND MAKE AWARDS TO CONTRACTORS, (7) HE SHOULD ADVISE THE SCHOOL DISTRICT OR ADMINISTRATOR ON ANY ALTERATION OR SUBSTITUTION THAT ANY BIDDER HAS PRESENTED FOR BIDDING PURPOSES CN EITHER ITEMS OF CONSTRUCTION OR EQUIPMENT, (8) HE SHOULD SUPERVISE THE CONSTRUCTION AND MAKE GENERAL REPORTS TO THE SCHOOL ADMINISTRATOR, (9) HE SHOULD INSPECT THE FABRICATION OF SHEET METAL DURING THE PERIOD OF ITS CONSTRUCTION, AND (10)HE SHOULD MAKE THE FINAL ACCOUNT OF ALL CONSTRUCTION AND PREPARE A CHECK LIST FOR THE CONTRACTOR FOR FINAL COMPLETION PRIOR TO HIS PAYMENT. (RK)

ERIC/CEF DOCUMENT NO. EF001121 ED 017 132 DISPOSITION-EDC- 1

A FACTUAL APPROACH TO 2500 MC

RADIO CORPORATION OF AMERICA, CAMDEN, NEW JERSEY, EDUCATIONAL TELEVISION

007 PAGES

DESCRIPTORS- *EDUCATIONAL TELEVISION, *INSTRUCTIONAL TELEVISION, *TELEVISION, ELECTRONIC EQUIPMENT, EQUIPMENT STANDARDS, TELEVISED INSTRUCTION

A DISCUSSION OF 2500 MC INSTRUCTIONAL TELEVISION IS GIVEN COVERING THE HISTORY OF THE SYSTEM, THE NATURE OF 2500 MC SIGNALS, GEOGRAPHIC COVERAGE, EQUIPMENT REQUIREMENTS, COST GUIDELINES, AND THE IDENTIFICATION OF A SOURCE FOR ALL 2500 MC EQUIPMENT. (JT)

ERIC/CEF DOCUMENT NO. EF001154 ED 017 135 DISPOSITION-EDC- 1

MINIMUM CHECK LIST FOR MECHANICAL PLANS AND SPECIFICATIONS

BY- PIERCE, J. L.
NORTH CAROLINA STATE BOARD OF EDUCATION, RALEIGH, DEPARTMENT OF PUBLIC INSTRUCTION, DIVISION OF SCHOOL PLANNING

PUBLISHED-DEC65

035 PAGES

DESCRIPTORS- *CONTROLLED ENVIRONMENT, *DESIGN NEEDS, *EQUIPMENT STANDARDS, *SCHOOL CONSTRUCTION, *STATE STANDARDS, AIR CONDITIONING, ELECTRICAL SYSTEMS, HEATING, LIGHTING, PLUMBING, VENTILATION

THIS BULLETIN HAS BEEN PREPARED FOR USE AS A MINIMUM CHECK LIST IN THE DEVELOPMENT AND REVIEW OF MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS BY ENGINEERS, ARCHITECTS, AND SUPERINTENDENTS IN PLANNING PUBLIC SCHOOL FACILITIES. THREE LEVELS OF GUIDELINES ARE MENTIONED--(1) MANDATORY BECAUSE OF LAW, CODE, OR REGULATION, (2) RECOMMENDED AS MOST PRACTICAL AND DESIRABLE, WITH DEVIATIONS TO BE SUPPORTED AND CLEARED, AND (3) INCLUDED AS GOOD PRACTICES WITHOUT UNANIMOUS PROFESSIONAL AGREEMENT. THREE MAJOR AREAS ARE COVERED--(1) PLUMBING, (2) MECHANICAL, AND (3) ELECTRICAL. PLUMBING INCLUDES--(1) DRAINAGE AND WASTE, (2) FITTINGS, (3) FIXTURES, (4) WATER SUPPLY, (5) SEWAGE DISPOSAL, (6) INCINERATORS, (7) GAS SYSTEMS, AND (8) GREASE TRAPS. THE MECHANICAL SECTION DEALS WITH--(1) STACK AND BREECHING, (2) BOILERS, (3) STOKERS, (4) OIL BURNERS AND OIL STORAGE TANKS, (5) STEAM AND HOT WATER PIPING, (6) RADIATION, (7) CONTROLS, (8) HOT WATER HEATING SYSTEMS, (9) STEAM HEATING SYSTEMS, (10) GAS BURNERS AND GAS-FIRED BOILERS,(11) VENTILATING, AND (12) AIR CONDITIONING. THE ELECTRICAL AREA CONCERNS--(1) SERVICE DROP, (2) SERVICE EQUIPMENT, (3) DISTRIBUTION EQUIPMENT,(4) BRANCH CIRCUITS, (5) MOTORS AND EQUIPMENT, (6) EMERGENCY LIGHTING, (7) GENERAL ILLUMINATION, AND (8) ALL-ELECTRIC SCHOOLS. SPECIAL FEATURES INCLUDE CHARTS FOR PLUMBING FIXTURES, STOKER SIZE SELECTION, AND ILLUMINATION LEVELS, AND DIAGRAMS FOR PIPING, CONTROLS, AND WIRING. (MM)

ERIC/CEF DOCUMENT NO. EF001212 ED 017 137 DISPOSITION-EDC- 1

PLANNING GUIDE FOR 2500 MEGACYCLE INSTRUCTIONAL TELEVISION SERVICE

MICRO LINK SYSTEMS, COPIAGUE, NEW YORK

012 PAGES

DESCRIPTORS- *EDUCATIONAL TELEVISION, *INSTRUCTIONAL TELEVISION, *TELEVISION, ELECTRONIC EQUIPMENT, EQUIPMENT STANDARDS, TELEVISED INSTRUCTION

THIS BULLETIN IS A GUIDE FOR EDUCATIONAL INSTITUTIONS WHICH ARE PLANNING INSTRUCTIONAL TELEVISION STATIONS OR NETWORKS. STEPS ARE OUTLINED FOR PLANNING AND INSTALLING AN ITV SYSTEM. THREE EXAMPLES ARE GIVEN FOR SYSTEMS OF VARYING LEVELS OF COMPLEXITY. THIS IS NOT A DO-IT-YOURSELF GUIDE, BUT AN OUTLINE OF THE MAJOR ELEMENTS OF A SYSTEM IN TIME SEQUENCE REQUIRING CLOSE COORDINATION BETWEEN THE EDUCATOR AND THE CONTRACTOR. COMMENTS ARE MADE ON THE PROJECT MANAGER CONCEPT AND DIAGRAMS AND ILLUSTRATIONS OF EQUIPMENT ARE INCLUDED. (JT)

ERIC/CEF DOCUMENT NO. EF001229 ED 017 138 DISPOSITION-EDC- 1

SCHOOL LUNCH (SUGGESTED GUIDES FOR SELECTING LARGE EQUIPMENT)

SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION, COLUMBIA

PUBLISHED-MAY63

008 PAGES

DESCRIPTORS- *EQUIPMENT, *FOOD HANDLING FACILITIES, *LUNCH PROGRAMS, EQUIPMENT EVALUATION, EQUIPMENT STANDARDS, PHYSICAL FACILITIES, SANITARY FACILITIES

THE TYPE AND CAPACITY OF A WIDE RANGE OF SCHOOL KITCHEN EQUIPMENT IS RECOMMENDED WITH RESPECT TO THE NUMBER OF MEALS SERVED PER DAY. THESE RECOMMENDATIONS ARE GIVEN FOR RANGES, SINKS, ELECTRIC HEATING,GAS HEATING, REFRIGERATION, TABLES, KITCHEN MACHINES, TRUCK DOLLIES, SCALES, STORAGE CABINETS, OFFICE SPACES, LOUNGES, GARBAGE AND CAN WASHING AREAS, DELIVERY AREAS, AND PORTABLE SERVING TRUCKS. (JT)

ERIC/CEF DOCUMENT NO. EF001235 ED 017 139 DISPOSITION-EDC- 1

RECOMMENDATIONS FOR SCHOOL HEALTH SERVICE UNIT WITH SUGGESTED PLANS (REVISED 1961)

BY- ANDERSON, JESSE T. AND PEEPLES, G. S. T.
SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION, COLUMBIA

PUBLISHED- 61

015 PAGES

DESCRIPTORS- *DESIGN NEEDS, *EQUIPMENT, *HEALTH SERVICES, *SCHOOL DESIGN, *STATE STANDARDS, EMERGENCY PROGRAMS, FIRST AID, STUDENT RECORDS, SUPPLIES

THIS REPORT DISCUSSES RECOMMENDATIONS FOR THE PLANNING AND USE OF SPACE ALLOCATED FOR RENDERING NEEDED SCHOOL HEALTH SERVICES. ITEMS FOR CONSIDERATION ARE--(1) PURPOSES, (2) SITE, (3) LOCATION, (4) SPECIAL FEATURES, (5) SUPPLIES AND EQUIPMENT, AND (6) SUGGESTED PLANS OR LAYOUT OF THE UNIT. FUNCTIONAL AREAS WITHIN THE UNITS MAY INCLUDE--(1) REST AREA,(2) EXAMINING AND COUNSELING ROOMS, (3) WAITING ROOM, (4) TOILET AND LAVATORY, AND (5) STORAGE AREA. DETAILED LISTS ARE GIVEN OF RECOMMENDED EQUIPMENT AND SUPPLIES. PLANS ARE INCLUDED FOR BOTH ELEMENTARY AND SECONDARY SCHOOL HEALTH SERVICE UNITS. (MM)

ERIC/CEF DOCUMENT NO. EF001236 DISPOSITION-EDC- 1

AMERICAN STANDARD SPECIFICATIONS FOR MAKING BUILDINGS AND FACILITIES ACCESSIBLE TO, AND USABLE BY, THE PHYSICALLY HANDICAPPED

AMERICAN STANDARDS ASSOCIATION, INCORPORATED, NEW YORK, N. Y.

PUBLISHED-OCT61

13 PAGES

DESCRIPTORS- *BUILDING DESIGN, *PHYSICAL DESIGN NEEDS, *PHYSICALLY HANDICAPPED, *SAFETY, *STATE STANDARDS, CORRIDORS, EQUIPMENT, PERCEPTUALLY HANDICAPPED, SCHOOL LOCATION

THIS STANDARD IS INTENDED TO PROVIDE MINIMUM REQUIREMENTS TO BE USED IN THE CONSTRUCTION OF ALL BUILDINGS AND FACILITIES AND FOR ADOPTION AND ENFORCEMENT BY ADMINISTRATIVE AUTHORITIES IN ORDER TO ALLOW INDIVIDUALS WITH PERMANENT PHYSICAL DISABILITIES TO PURSUE THEIR INTERESTS AND ASPIRATIONS, DEVELOP THEIR TALENTS, AND EXERCISE THEIR SKILLS. SPECIFIC AREAS MENTIONED INCLUDE--(1) DEFINITIONS OF DISABILITIES AND TECHNICAL TERMS, (2) GENERAL PRINCIPLES AND CONSIDERATIONS OF INDIVIDUALS FUNCTIONING BY WHEELCHAIR OR CRUTCHES, (3) SITE DEVELOPMENT, GRADING, WALKS, PARKING LOTS, (4) BUILDINGS, RAMPS, ENTRANCES, DOORS, STAIRS, FLOORS, (5) EQUIPMENT, TOILETS, WATER FOUNTAINS, TELEPHONES, ELEVATORS, CONTROLS, (6) COMMUNICATION, IDENTIFICATION, WARNING SIGNALS, AND(7) HAZARDS. ILLUSTRATIONS SHOW KNURLED DOOR HANDLES AND KNOBS. A FREE LIST OF AMERICAN STANDARDS MAY BE OBTAINED FROM AMERICAN STANDARDS ASSOCIATION, INC., 10 EAST 40TH STREET, NEW YORK 16, N.Y. (MM)

ERIC/CEF DOCUMENT NO. EF001284 ED 017 143 DISPOSITION-EDC- 1

LABORATORY DESIGN CONSIDERATIONS FOR SAFETY

CAMPUS SAFETY ASSOCIATION, CHICAGO, ILLINOIS

PUBLISHED-JUN66

027 PAGES

DESCRIPTORS- *DESIGN, *EQUIPMENT, *SAFETY, *SCIENCE LABORATORIES, *STANDARDS, CCIDENT PREVENTION, FIRE PROTECTION, LABORATORY SAFETY, LIGHTING, VENTILATION

THIS SET OF CONSIDERATIONS HAS BEEN PREPARED TO PROVIDE PERSONS WORKING ON THE DESIGN OF NEW OR REMODELED LABORATORY FACILITIES WITH A SUITABLE REFERENCE GUIDE TO DESIGN SAFETY. THERE IS NO DISTINCTION BETWEEN TYPES OF LABORATORY AND THE EMPHASIS IS ON GIVING GUIDES AND ALTERNATIVES RATHER THAN DETAILED SPECIFICATIONS. AREAS COVERED INCLUDE--(1) AUTOMATIC SYSTEMS FOR FIRE AND EXPLOSION PROTECTION, (2) EMERGENCY ALARM SYSTEMS, (3) SPECIAL FACILITIES FOR CHEMICAL STORAGE, HANDLING, AND DISPOSAL, (4) SAFETY EQUIPMENT, (5) FACILITIES FOR INFECTIOUS AGENTS AND ANIMALS, (6) LABORATORY VENTILATION, (7) ILLUMINATION, (8) RADIO ISOTOPES, (9) EGRESS FACILITIES, (10) FIRE RESISTANCE, (11) WATER SUPPLY AND PIPING, AND (12) MISCELLANEOUS DESIGN FEATURES. SPECIAL EMPHASIS IS GIVEN TO LABORATORY VENTILATION, AND A BIBLIOGRAPHY IS PROVIDED ON INFECTIOUS AGENTS AND ANIMALS. (MM)

ERIC/CEF DOCUMENT NO. EF001294 ED 017 148 DISPOSITION-EDC- 1

SOUTH CAROLINA GUIDE AND MINIMUM SPECIFICATIONS FOR MOBILE CLASSROOM UNITS

SOUTH CAROLINA STATE EDUCATIONAL FINANCE COMMISSION, COLUMBIA, OFFICE OF SCHOOLHOUSE PLANNING

PUBLISHED-JUN66

C16 PAGES

DESCRIPTORS- *DESIGN NEEDS, *MOBILE CLASSROOMS, *SCHOOL CONSTRUCTION, *STATE STANDARDS, BUILDING MATERIALS, CONTROLLED ENVIRONMENT, EQUIPMENT, SCHOOL SAFETY, SPACE REQUIREMENTS, STATE LAWS

THIS GUIDE OF REQUIRED AND RECOMMENDED STANDARDS FOR MOBILE CLASSROOM UNITS IS INTENDED TO--(1) PROVIDE A GUIDE TO LOCAL SCHOOL AUTHORITIES TO ASSIST THEM IN DETERMINING THE FEASIBILITY OF MOBILE UNITS, (2) SET MINIMUM SAFETY AND UTILITY REQUIREMENTS FOR MOBILE UNITS, (3) ASSURE LOCAL SCHOOL AUTHORITIES OF A MOBILE UNIT MEETING THE ABOVE REQUIREMENTS AND AT THE SAME TIME GIVE THEM A FREEDOM OF SELECTION, AND (4) SET FORTH CERTAIN MINIMUM MANDATORY REQUIREMENTS THAT MUST BE COMPLIED WITH BY ANY MANUFACTURER, VENDOR, OR CONTRACTOR. PROCEDURAL AREAS INCLUDE--(1) COMPLIANCE, (2) DEFINITION OF MOBILITY, (3) DATA FOR LOCAL SCHOOL AUTHORITIES UPON DELIVERY, (4) PERMANENT DATA PLATE, (5) BOND AND CONTRACT REQUIREMENTS, (6) DESIGN DATA, SAMPLES, BROCHURES, ETC., AND (7) APPROVED MANUFACTURERS. DESIGN AREAS ARE MENTIONED AS--(1) DIMENSION REQUIREMENTS, (2) STRUCTURAL DESIGN, (3) CONSTRUCTION MATERIALS, (4) WINDOW AND SHADES, (5) DOORS, (6) STEPS AND LANDINGS, (7) TEACHING AIDS AND STORAGE FACILITIES, (8) INTERIOR FINISHES, (9) MECHANICAL SYSTEMS, AND (10) SITE LOCATION. (MM)

ERIC/CEF DOCUMENT NO. EF001295 ED 017 149 DISPOSITION-EDC- 1

MINIMUM STANDARDS FOR SCHOOL BUSES IN LOUISIANA

BY- STEPHENS, REED AND COOPER, T. T.
LOUISIANA STATE DEPARTMENT OF EDUCATION, BATON ROUGE

PUBLISHED- 66

REPORT/SERIES NO.- BULL-NO-1069

042 PAGES

DESCRIPTORS- *SCHOOL BUSES, EQUIPMENT STANDARDS, MOTOR VEHICLES

DETAILED MINIMUM STANDARDS ARE GIVEN FOR SCHOOL BUSES. SECTIONS COVER BUS CHASSIS, BODIES, VEHICLES FOR HANDICAPPED CHILDREN, AND ILLUSTRATION OF BUS LAYOUTS. (JT)

ERIC/CEF DOCUMENT NO. EF001310 ED 017 150 DISPOSITION-EDC- 1

SOUTH CAROLINA SCHOOL FACILITIES PLANNING AND CONSTRUCTION GUIDE

BY- MC ELVEEN, W. POWERS
SOUTH CAROLINA STATE DEPARTMENT OF EDUCATION, COLUMBIA,
SCHOOLHOUSE BUILDING AND PLANNING SECTION

PUBLISHED- 67

C82 PAGES

DESCRIPTORS- *DESIGN NEEDS, *EQUIPMENT STANDARDS, *SCHOOL CONSTRUCTION, *STATE STANDARDS, CONTROLLED ENVIRONMENT, HEALTH NEEDS, SCHOOL SAFETY, SPACE REQUIREMENTS

THIS GUIDE PRESENTS A SET OF REGULATIONS FOR PLANNING AND CONSTRUCTING PUBLIC SCHOOL BUILDINGS. THE AREAS COVERED ARE--(1) CRAWING REQUIREMENTS, (2) POLICIES GOVERNING SCHOOL SITES, MINIMUM FACILITIES, AND SPACE ALLOWANCE, (3) DESIGN AND CONSTRUCTION STANDARDS RELATING TO HEATING, AIR CONDITIONING, AND VENTILATION, (4) ELECTRICAL, INCLUDING LIGHTING, (5) PLUMBING, (6) FEDERAL AID PROJECTS, (7) SAMPLE FORMS, (8) RULES AND REGULATIONS OF THE BOARD OF HEALTH, AND (9) FALLOUT SHELTER. TABLES ARE PROVIDED FOR--(1) MINIMUM LEVELS OF ILLUMINATION, AND (2) WORKING HEIGHTS FOR SCHOOL FIXTURES AND EQUIPMENT. ILLUSTRATIONS ARE GIVEN OF FALLOUT SHELTER PLANS, ELEVATIONS, AND DETAILS. (MM)

ERIC/CEF DOCUMENT NO. EF001488 DISPOSITION-EDC- 1

TOTAL ENERGY (A TECHNICAL REPORT FROM EDUCATIONAL FACILITIES LABORATORIES)

PUBLISHED-MAR67

REPORT/SERIES NO.- TR-2

DESCRIPTORS- *AIR CONDITIONING, *CONTROLLED ENVIRONMENT, *HEATING, *LIGHTING, AIR CONDITIONING EQUIPMENT, BUILDING DESIGN, BUILDING EQUIPMENT, CLIMATE CONTROL, EQUIPMENT, EQUIPMENT STANDARDS

A STUDY OF TOTAL ENERGY (CENTRAL HEATING, COOLING, LIGHTING, AND POWER SYSTEMS. WAS MADE BY AN INDEPENDENT AGENCY IN ORDER TO OBJECTIVELY DETERMINE THE IMPLICATIONS AND ADVISABILITY FOR USE IN AMERICAN SCHOOLS AND COLLEGES. THE RESULTING RESULTING REPORT INCLUDES CASE STUDIES, FEASABILITY GUIDELINES, PLANT AND EQUIPMENT DESIGN GUIDELINES, AND A DISCUSSION OF FUTURE TRENDS. THIS DOCUMENT IS AVAILABLE FROM EDUCATIONAL FACILTIES LABORATORIES, 477 MADISONAVENUE, NEW YORK, N.Y. (JT)

ERIC/CEF DOCUMENT NO. EF001592 ED 018 968 DISPOSITION-CERS 1

SUWANNEE AREA PHYSICAL EDUCATION PROJECT (INNOVATIONS IN ELEMENTARY PHYSICAL EDUCATION EQUIPMENT)

COLUMBIA COUNTY BOARD OF PUBLIC INSTRUCTION, FLORIDA

C45 PAGES

DESCRIPTORS- *ELEMENTARY SCHOOLS, *EQUIPMENT, *EQUIPMENT STANDARDS, *PHYSICAL ACTIVITIES, *PHYSICAL FITNESS

THE APPARATUS, EQUIPMENT, AND COURSES DESCRIBED IN THIS REPORT ARE PURPORTED TO BE DESIGNED TO DEVELOP AHIGH LEVEL OF PHYSICAL FITNESS AND TO IMPROVE MOTOR SKILLS, AGILITY AND BALANCE. INFORMATION ON EQUIPMENT COST, SAFETY FACTORS, MAINTENANCE, AND PLAYGROUND PLACEMENT FOR DIFFERENT TYPES OF EQUIPMENT IS CITED. SPECIFICATIONS ARE GIVEN FOR OBSTACLE COURSES AND EQUIPMENT, HARD SURFACED GAME AREAS AND EXERCISE EQUIPMENT. DIAGRAMS FOR VARIOUS TYPES OF OUTDOOR APPARATUS ARE ALSO INCLUDED. (GM)

ERIC/CEF DOCUMENT NO. EF001635 DISPOSITION-EDC- 1

CHOOSING CARPETS WISELY

AMERICAN CARPET INSTITUTE, NEW YORK, N. Y.

PUBLISHED-JUN64
IN- INSTITUTIONS, JUNE 1964

6 PAGES

DESCRIPTORS- *CARPETING, *DESIGN NEEDS, *ECONOMICS, *MAINTENANCE, *STANDARDS, IRE PROTECTION

A DISCUSSION ON THE SELECTION OF CARPETING CONCLUDES INITIAL COST OF THE CARPET INSTALLATION STILL RANKS AMONG THE MOST EXPENSIVE. IN SELECTION, CARPETING MUST BE CONSIDERED IN TERMS OF COLOR, PATTERN, SIZE WEARABILITY, CLEANABILITY, AND FIRE HAZARD. WEARABILITY SHOULD BE CONSIDERED BY--(1) TYPE AND QUALITY OF FIBER GRADE USED, (2) CONSTRUCTION OF THE SURFACE PILE YARN, (3) CARPET CONSTRUCTION, AND (4) CARPET BACKING. DENSITY OF THE PILE IS CONSIDERED BY THE NATIONAL BUREAU OF STANDARDS TO BE THE MOST IMPORTANT SINGLE FACTOR IN DETERMINING QUALITY IN CARPETING. HIGH PILE ON CLOSELY WOVEN CARPET DENOTES QUALITY. PILE DENSITY IS DEPENDENT LARGELY UPON HEIGHT OF PILE AND WEIGHT OF YARN IN THE PILE. IT IS POSSIBLE TO SET UP SPECIFICATION REQUIREMENTS, WHICH, IF MET, WILL RESULT IN ADEQUATE PILE DENSITY. A TABLE IS INCLUDED SHOWING THE STANDARD CARPET WOOL PILE SPECIFICATIONS. EACH FIBER HAS ITS OWN CHARACTERISTICS ALSO INCLUDED IN A CHART COVERING CARPET FIBER FACTS. CONTINUOUS FILAMENT NYLON AND THE ACRYLICS ARE IN GREATER DEMAND FOR COMMERCIAL GRADE CARPETING BECAUSE OF THEIR DURABILITY AND LOWER COSTS AS OPPOSED TO WOOL CARPETING WHICH HAS INCREASED IN COST. IN RESPECT TO CONSTRUCTION PREFERENCES, TUFTED CARPETS ACCOUNT FOR 80 PER CENT OF TOTAL CARPET SALES, ACCORDING TO THE AMERICAN CARPET INSTITUTE. CARPET CONSTRUCTION AND CHOICE IS DISCUSSED IN TERMS OF--(1) KNITTED, (2) TUFTED, (3)AXMINISTER, (4) WILTON, (5) VELVET AND (6) CHENILLE. CARPET QUALITY IS DISCUSSED IN TERMS OF--(1) SURFACE CONSTRUCTION, (2) BODY CONSTRUCTION, (3) BACKING YARNS, AND (4) PADDING. A CARPET SPECIALIST SHOULD BE USED IN SELECTING CARPETING. THIS ARTICLE APPEARED IN THE JUNE 1964 ISSUE OF 'INSTITUTION.' COPIES MAY BE OBTAINED BY WRITING JANE WALLACE, EDITOR, MEDALIST PUBLICATIONS, INC., 1801 PRAIRIE AVENUE, CHICAGO, ILLINOIS 60616. (RK)